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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/737,426	12/15/2000	Kristinn R. Thorisson	10244-005	1929
20583	7590	10/07/2004	EXAMINER	
JONES DAY 222 EAST 41ST ST NEW YORK, NY 10017			PALADINI, ALBERT WILLIAM	
			ART UNIT	PAPER NUMBER
			2125	
DATE MAILED: 10/07/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/737,426

Applicant(s)

THORISSON, KRISTINN R.

Examiner

Albert W Paladini

Art Unit

2125

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>2/23/01</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.
2. Claims 1-30 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1

Lines 3-6 recite, "providing one or more perception features, each perception features adapted to receive information concerning one or more captured events from one or more sensors and to generate on or more perceptions." The definition of perception from the Webster's II New Riverside University Dictionary dated 1994 is:

perception n 1. The act, process or faculty of perceiving. 2. The effect or product of perceiving.

Since a perception is the result of a viewer's observation and is received by a viewer, it is not a generated quality. If an individual views an object, the view of the object as received and interpreted by the individual is his/her perception of the object. It is not understood how sensor information generates "perceptions."

Appropriate correction and clarification are required.

Allowable Subject Matter

3. Claim 1 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
 4. Claims 2-30 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.
 5. The following is a statement of reasons for the indication of allowable subject matter: None of the references cited or the art searched disclose or teach alone or in combination the step of utilizing the priority levels to load-balance the running of perception features and decision features under time constraints, and to select conflicting actions requested by two or more decision features in the same relationship with the other steps of claim 1.
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Relevant Prior Art

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Clarisse (5247651) discloses an interactive computer specification and simulation system, which uses a method of interactively creating specifications for a program, comprises by specifying actors for a plurality of tape scenarios, in response to receiving actor data via an input device, such as a keyboard or mouse, and storing the actor data. Specifying actors comprises creating new actors, selecting previously created actors, and modifying actor data. In response to receiving operational steps via the input device, the systems store the steps for subsequent execution.

Duvoisin (5835901) discloses a neural network perception and decision system where information about an environment may be obtained by means of sensors, which are adapted to detect particular characteristics of that environment, and produce corresponding signals. Examples of such sensors include radar, infrared detectors, optical detection devices, and microphones, to name just a few. The possibility of using artificial intelligence (AI) systems to transform sensor signals into useful information that can be acted upon has been investigated since the 1950s. Applications where AI has been particularly useful include the fields of engine control and image processing. In image processing, digitized sensor values representing picture elements, or "pixels," are processed by a computer to achieve a desired result. Often, special purpose image-processing computers are used to increase the speed of the processing operations, with the sequence of processing operations called an algorithm. The processed result provides digital measurements of the image. Such measurements may, for example, identify scene elements for use in an automatic target recognition (ATR) system.

Abelow discloses a product design module, which uses a combination of computer hardware, software and communications technologies to construct a module that is built into certain products and services, to establish a network of customer-vendor-distributor interactions and communications (or a network of internal organization-wide interactions in the area of computer-based performance). These make possible new customer and user roles in the design and development of products and services, and customer-vendor relationships. Over time, this may produce a gradual transfer to customers of commercial direction and market control, both in

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individual cases (such as the evolution of a particular product) and in aggregate, from vendors and distributors.

Rostoker (6470482) discloses a method and system for designing an electronic system where a user describes a behavioral system in a high level language or utilizes a graphical entry tool.

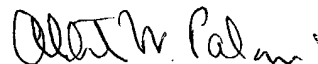
Arellano (6694482) discloses a system for designing an interactive multimedia interactive content delivery system which utilizes a sensor to capture user interactions at the source and extract relevant information from user feedback. The sensor knows how often to gather data, what data to gather, and how to decode the present event into user profile data.

7. Any inquiry concerning this communication or earlier communication from the examiner should be direct to Albert W. Paladini whose telephone number is (703) 308-2005. The examiner can normally be reached from 7:30 to 3:30 PM on Monday, Tuesday, Thursday, and Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Leo P. Picard, can be reached on (703) 308-0538. The official fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

October 5, 2004


Albert W. Paladini
Primary Examiner
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